

**AHCWRK313A - IMPLEMENT AND MONITOR ENVIRONMENTAL WORK PRACTICES: ASSESSMENT**

**STUDENT NAME:**

**DATE COMPLETED:**

**Total marks 50 available - pass mark 70% (35 marks)**

**QUESTION 1** The Waste Avoidance and Resource Recovery Act 2001 would apply to all enterprises in NSW. What are the two objects of this Act that you consider the most relevant to your enterprise and detail one activity that you would put in place to best achieve it?

The Act can be found here: (4 marks) <http://www.legislation.nsw.gov.au/maintop/view/inforce/act+58+2001+cd+0+N>

1)

2)

**QUESTION 2** Apart from the Waste Avoidance and Resource Recovery Act 2001, what other Acts of legislation would particularly apply to implementing and monitoring environmental work practices in an agricultural, horticultural or natural resource management focused enterprise in NSW? Name at least three other relevant Acts. (3 marks) For help, see this website: <http://www.environment.nsw.gov.au/legislation/legislation.htm>

**QUESTION 3** According to the Goulburn Mulwaree Council publication, The Rural Living Handbook 2007-2009, how can households reduce household water use? You can access the handbook here: (5 marks) <http://www.sca.nsw.gov.au/__data/assets/pdf_file/0003/36354/RLHGoulburnWeb.pdf>

**QUESTION 4** According to the Desert Cube website: (3 marks)

<http://www.desert.com.au/faq.html>

**4a** How many litres of water could a school with 500 male students save each year if they installed the Desert Cube system in their urinals?

**4b** Is the Desert Cube system safe for septic tanks?

**4c** What number should you call if you want more information on the Desert Cube system?

**QUESTION 5** Your machinery shed has a flat roof that is 20 metres long by 10 metres wide. The owner wants to harvest rain water from the roof. (5 marks)

**5a** How many litres of water could be harvested from this roof if 25 mm of rain falls?

**5b** The shed is located in the Goulburn area with average annual rainfall of 650 mm of rain spread evenly over the year, how many litres of water would be harvested from the roof in an average month?

**5c** If the boss decides to install a series of 5,000 litre storage tanks, how many tanks would be needed to hold a month’s worth of rainwater?

**5d** The manager has had a quote for $2,000 each for 5,000 litre water plastic water tanks. Someone else has suggested a purpose built 100,000 litre concrete tank be installed. This will cost $30,000. Which option would be more economical if funds and space are available?

**5e** A water trough float valve has a worn washer and is dripping badly, overflowing onto the ground. You have been very busy and it has been 23 days before you have had a chance to fix it. A badly dripping tap can waste 198 litre per day (Sydney Water)

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**QUESTION 6** How could a household or workplace monitor the effectiveness of implementing water saving measures? (2 marks)

**QUESTION 7** Someone at work has suggested your enterprise install a worm farm to recycle food scraps from the lunch room. (2 marks)

**7a** What food scrap items cannot be put through a worm farm?

For help check out this website: <https://www.cleanup.org.au/PDF/au/cua_wormfarming_fact_sheet.pdf?gclid=COaHt43a6q4CFeRKpgodu3aXKQ>

**7b** Assuming the worm farm idea goes ahead, how would you ensure that the prohibited food scrap items were kept separate from the allowable food scrap items when collecting the waste for recycling?

**7c** What would be the advantage to the enterprise be of reducing the amount of food scrap items

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**QUESTION 8** Accessing and using Industry Codes of Practice (10 Marks)

One of the most relevant industry codes of practice for people working agriculture is the “Safe use of and storage (including pesticides and herbicides in agricultural”. You can access a full copy of this COP here:

<http://www.workcover.nsw.gov.au/formspublications/publications/Documents/chemicals_in_agriculture_safe_use_storage_code_practice_0422.pdf>

According to this COP, what should you do when dealing with accidental spills of a pesticide?

**Manage accidental spills by ensuring the following:**

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**Steps to reduce spray drift risks are:**

a

b

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d

e

f

**QUESTION 9:** Which of the following waste items will be accepted for recycling by Endeavour Industries, 67 Oxley Street, Goulburn, NSW? You can find this information here: (2marks) <http://recyclingnearyou.com.au/facility/863/GoulburnMulwareeNSW>

ALUMINIUM CANS

ANIMAL CARCASSES

BATTERIES

BRICKS AND CONCRETE

CAR BODIES

CAR TYRES

CHEMICALS

COOKING OIL

ENGINE OIL

FOOD SCRAPS FROM RESTAURANTS

GLASS BOTTLES

GREEN WASTE

MOBILE PHONES

NON-FERROUS METALS

PAPER AND CARDBOARD

PLASTIC SHOPPING BAGS

PLASTICS

PRINTER AND TONER CARTRIDGES

RADIOACTIVE MATERIALS

SCRAP STEEL

SECOND HAND GOODS

STEEL TINS

TIMBER

**QUESTION 10** With reference to electricity supply and usage in Australia, what is meant by the term “Green Power”? If you need help to answer this question, go to this website:(6marks) <http://www.greenpower.gov.au/About-Us/What-Is-GreenPower/>

**10b** The Green Power website has 7 tips for saving energy at work. What are these tips?

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2

3

4

5

6

7

**10c** How can an enterprise or household monitor its electricity usage?

**10d** You have been given the task of reducing electricity usage in your enterprise by 10%. What would be the single most effective way for you to achieve this target?

**10e** Would reducing your electricity usage by 10% effect the profitability of your business. Give two reasons for your decision

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**QUESTION 11**

If you were trying to implement environmentally sustainable work practices in your workplace, how would you: (8 marks)

**11a** Two ways ofInvolving people in the workplace and get their support?

**11b** Decide on reasonable targets for reducing the use of resources

**11c** How would you communicate the results of implementation of environmentally sustainable work practices to other staff for the following?

Electricity usage

Water usage

Increased level of recycling of items such as cans, bottles, cardboard and paper?